PRIMER PU 60

One-component primer for polyurethane sealants



WHERE TO USE

Waterproofing cementitious screeds with residual moisture exceeding parquet installation limits.

Some application examples

- Consolidator of mechanically weak screeds due to deficient hydration or lack of binder.
- Insulating primer for anhydrite or gypsum substrates.
- Consolidating and impregnating anti-dust agent for industrial concrete floors and raised flooring substrates.
- Waterproofing treatment before parquet installation to prevent rising residual moisture in screeds.
- Anti-dust coating over superficially inconsistent screeds, both based on cement and anhydrite.
- Preparation of synthetic mortars.

TECHNICAL CHARACTERISTICS

Primer PU 60 is a one-component, solvent-based polyurethane resin that cures with ambient and screed moisture, offering high substrate penetration.

Once the solvent has evaporated and the resin has cross-linked, the treated surface becomes sound, hard, and abrasion-resistant.

The effectiveness of the primer is higher the greater its penetration.

The first coat must therefore be diluted 25% to 100% with **Diluente M25**, depending on screed absorption.

RECOMMENDATIONS

- Do not use **Primer PU 60** in apartment renovations or areas adjacent to inhabited rooms to prevent the spread of solvent vapours.
- **Primer PU 60** is flammable: all necessary precautions must be observed to prevent fire hazards; work in rooms with air circulation to prevent the accumulation of solvent vapours, do not light flames, avoid sparks and do not smoke.
- Dilute **Primer PU 60** only with **Diluente M25**.
- Do not use on wet surfaces or in the presence of rising damp.
- Do not apply skim coats or adhesives over **Primer PU 60** if it is glossy (broadcast dry sand onto the fresh primer). If already cured, **Primer PU 60** must be thoroughly sanded.

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- In the case of subsequent treatments with synthetic resin products, allow the solvent to evaporate completely. Unevaporated solvent trapped in the substrate can impair the performance of subsequent treatments.
- Do not use **Primer PU 60** to waterproof anhydrite screeds with residual moisture exceeding allowable limits. On anhydrite screeds **Primer PU 60** must be used as a consolidating agent.
- Do not use **Primer PU 60** as a consolidating and waterproofing agent for heating screeds.

APPLICATION PROCEDURE

Waterproofing and consolidating agent

The screed must be free of oil, wax, and general contaminants. Traditional screeds must cure for at least 7 to 10 days per cm of thickness. For fast- or quick-drying screeds, refer to the manufacturer's specified curing time.

Cracks and microcracks must be opened and sealed with **Eporip** or **Eporip Turbo** to eliminate any defect in the substrate.

Primer PU 60 mustybe applied by roller or brush in at least two coats.

To improve substrate penetration, dilute the first coat 1:1 to 1:4 with **Diluente M25**, depending on absorption.

After 12–4 hours, apply the second coat of undiluted product.

If the treatment appears uneven, apply a second coat of undiluted product as soon as the surface is walkable (but within 18 hours).

Allow the solvent to evaporate completely before subsequent applications (normally after 2 to 7 days).

To improve the adhesion of adhesives or skim coats, broadcast clean, dry sand onto the final coat while still fresh.

Anti-dust agent

Dilute **Primer PU 60** with **Diluente M25** at a 2:1 ratio by weight, and apply a single coat by roller or brush.

Allow the product to dry (approx. 24 hours) before proceeding with subsequent applications.

Repair works

For minor leveling or crack repairs, mix **Primer PU 60** with **Quartz 1.2**.
The mixing ratio is 7 to 8 kg of **Quartz 1.2** per kg of **Primer PU 60**.

The resulting mortar is easy to apply and, once cured, forms a highly durable repair or skim coat suitable for installing any type of wood flooring.

Apply the resulting **Primer PU 60** and **Quartz 1.2** mortar onto substrates previously treated with diluted **Primer PU 60**, ensuring application within 18 hours of the primer coat.

For subsequent bonding, use exclusively reactive adhesives such as **Lignobond, Ultrabond P902 2K** or **Ultrabond P990 1K**.

CLEANING

When still fresh, **Primer PU60** can be removed from tools with **Diluente M25**.

Once hardened, the product can only be removed with **Pulicol 2000**.

CONSUMPTION

400-1200 g/m².

PACKAGING

10 kg metal bucket.

STORAGE

12 months in the original sealed packaging and stored at a temperature between +5°C and +35°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the SDS available from our website www.mapei.com

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
Consistency:	liquid
Colour:	brown
Density:	1.025 g/cm³
Maximum permitted residual moisture for waterproofing:	5% detected with carbide hygrometer
Mixing ratio:	none; one-component moisture-curing
Dilution rate:	25% to 100% with **Diluente M25**
Set to foot traffic at +23°C and 50% R.H.:	depending on yield and dilution, 3-8 h
Curing time at +23°C and 50% R.H.:	24 hours
Application temperature:	from + 5°C to +35°C

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

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The most up-to-date TDS can be downloaded from our website www.mapei.com.

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